

## CLAIMS

We claim:

1. In a computer chassis including a plurality of fan assemblies for cooling the interior of the chassis, the improvement comprising:

a fan tray assembly received in the chassis, the fan tray assembly having a first position in which the fan tray assembly is received in the chassis and an extended position in which the fan tray assembly extends from an opening in the chassis, wherein the plurality of fan assemblies are mounted in the fan tray assembly.

2. The improvement of claim 1, wherein the fan tray assembly has an end plate, a left side, and a right side, and at least one of the sides includes a slot for receiving a fan assembly.

3. The improvement of claim 2, wherein the fan assembly is slidably received in the slot.

4. The improvement of claim 3, wherein the fan assembly is electrically connected with a hot tap connection.

5. The improvement of claim 4, further comprising a hot tap board connected to a power cable, the hot tap board mounted to the fan tray assembly.

6. The improvement of claim 3, wherein the chassis opening is in the rear of the chassis and the fan tray assembly extends from the rear of the chassis in the extended position.

7. The improvement of claim 1, wherein the chassis opening is in the rear of the chassis and the fan tray assembly extends from the rear of the chassis in the extended position.

8. The improvement of claim 7, wherein the chassis opening is substantially centrally located in the chassis rear.

9. A method of removing a fan assembly in a computer chassis including a plurality of fan assemblies for cooling the interior of the chassis, the plurality of fan assemblies installed in a fan tray assembly, the method comprising the steps of:

extending the fan tray assembly from the computer chassis while the computer is running;

removing a fan assembly from the fan tray assembly;

installing a fan assembly in the fan tray assembly; and

sliding the fan tray assembly into the computer chassis.

10. The method of claim 9, wherein the step of removing the fan assembly comprises sliding the fan assembly out of a fan slot in the fan tray assembly.

11. The method of claim 10, wherein the step of installing the fan assembly comprises sliding the fan assembly in the fan slot and making a hot tap connection.

12. The method of claim 9, wherein the steps of removing and installing the fan assembly comprises sliding the fan assembly in a direction transverse to the direction of movement of the fan tray assembly.